

# Statistical Science and Data Analytics Minor

## Overview

Offered by the Department of Statistics, Operations and Data Science, the **Minor in Statistical Science and Data Analytics** is open to all students.

Becoming a skilled user of data enhances career opportunities. Students in any major who wish to become proficient in the ability to select, utilize and apply quantitative and data analysis skills can pursue this minor.

**Campus Location:** Main

## Contact Information

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## Requirements

- Open to business or non-business students.
- Completion of MATH 1022/STAT 1001 or calculus with a minimum grade of C- is a prerequisite for some courses in this minor.
- **Six courses are required** (four of six must be taken at Temple University):

Code	Title	Credit Hours
BA 2501	Turning Numbers into Knowledge: Visualizing Data <sup>1</sup>	3
Select one of the following:		1-4
STAT 2103	Statistical Business Analytics	
or STAT 2903	Honors Statistical Business Analytics	
STAT 2104	Selected Topics in Statistical Business Analytics	
STAT 2521	Data Analysis and Statistical Computing	3
STAT 3502	Regression and Predictive Analytics	3
Select two of the following:		6
BA 2502	Business Analytics: Modern Data Science Techniques <sup>1</sup>	
STAT 2522	Survey Design and Sampling	
STAT 2523	Design of Experiments and Quality Control	
STAT 3503	Applied Statistics and Data Science	
STAT 3504	Time Series and Forecasting Models	
STAT 3506	Nonparametric and Categorical Data Analysis	
STAT 3508	Data Management, Missing Data, and Outlier Analysis	
<b>Total Credit Hours</b>		<b>16-19</b>

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A minimum grade of C- or better is required for these courses.

- One of the following courses can be substituted for STAT 2103/STAT 2903 if required for the student's program:

Code	Title	Credit Hours
CEE 3048	Probability, Statistics & Stochastic Methods	3
SOC 1167	Social Statistics	3
SOC 3201	Statistical Methods in Sociology	4
MATH 3031	Probability Theory I	3
ECE 3522	Stochastic Processes in Signals and Systems	3
AS 2101	Actuarial Probability and Statistics II	3
ANTH 0825	Quantitative Methods in the Social Sciences	4
POLS 0825	Quantitative Methods in the Social Sciences	4
PSY 0825	Quantitative Methods in the Social Sciences	4
SOC 0825	Quantitative Methods in the Social Sciences	4

- A grade point average of 2.0 in the minor is required, as well as a minimum grade of C in each course (except where noted).
- Courses cannot be used to meet minor requirements if already used to meet the requirements for a major or a different minor or certificate.
- Courses for the minor must be completed prior to graduation; if completed, the minor will be recorded on the final transcript upon graduation.
- To declare or rescind this minor, visit the Fox School of Business and Management.

Interested students should discuss with their home college advisors how the courses in the minor will fit into their overall degree plan and are strongly encouraged to declare the minor early in their academic career.